

DIVISION 1 – GENERAL REQUIREMENTS

Section 01063: Health and Safety

SECTION 01063: HEALTH AND SAFETY

PART 1 – GENERAL

1.01 DESCRIPTION OF WORK

This section specifies minimum requirements for health and safety related to site construction and cleanup activities.

The Contractor shall be responsible for health and safety measures and conditions at the site, including the health and safety of visitors such as City representatives, the Engineer, and others involved with the Project.

All applicable federal, state, and local regulations shall be adhered to by the Contractor.

Many of the work tasks are likely to place workers in the position of coming in contact with former landfill refuse and associated soil contaminants. Therefore, the Contractor shall be required to comply with 29 CFR 1910.120 and Chapter 296-62 WAC, Part P. The Contractor Health and Safety Plan (CHASP; see Part 1.03 of this Section) shall clearly define health and safety requirements for specific site activities. All visitors shall be required to read and adhere to the CHASP.

All Contractors and subcontractors will be required to have health and safety training as required by the Washington State Department of Labor and Industries (Chapter 296-62 WAC, Subpart P, Hazardous Waste Operations and Emergency Response), including on-site training. At a minimum, 40 hour health and safety training will be required for:

- Workers handling excavated landfill refuse and potentially contaminated materials
- Workers performing construction activities within excavated areas
- Workers in contact with spoils from construction activities, including boardwalk pile installation
- Workers performing placement of backfilling and capping materials

DIVISION 1 — GENERAL REQUIREMENTS

Section 01063: Health and Safety

The CHASP may allow for reduced training requirements following exposure monitoring if deemed appropriate by the Contractor's Health and Safety Manager.

1.02 JOB CONDITIONS

A. Site Contaminants

Site activities may expose subsurface soil or groundwater containing metals, hydrocarbons, and various types of debris. Direct human contact with these materials must be minimized and limited to permissible exposure levels.

B. Potential Exposure Routes

Potential exposure routes include:

1. Dust Inhalation
2. Skin and Eye Contact
3. Ingestion

C. Potential Physical Hazards

Existing and construction-related physical hazards such as debris, excavations, heavy equipment traffic, fire, and construction activities may possibly cause safety-related concerns. Precautions to prevent construction-related hazards shall be addressed in the CHASP.

Use of impermeable protective clothing (Tyvek suits, gloves, etc.) presents a risk of heat stress. The use of these garments may reduce the ability of the body to cool off as a result of reduced evaporation. Precautions to prevent heat stress shall be addressed in the CHASP.

Notify the Engineer immediately if previously unknown underground storage tanks, barrels, or other chemical containers are found. Stop work in the vicinity of the unknown container until further direction is received from the Engineer.

DIVISION 1 — GENERAL REQUIREMENTS

Section 01063: Health and Safety

The Contractor's personnel shall not enter excavations of a depth greater than four feet unless excavation side walls are sloped as specified in WAC 296-155-657, or if the side walls are supported by a means of sufficient strength to protect personnel. Excavation, shoring, and trenching precautions shall be specified in the CHASP, as set forth by WISHA regulations WAC 296-155, Part N.

1.03 SUBMITTALS

A. Contractor's Health and Safety Plan (CHASP)

The Contractor(s) shall submit a CHASP that presents the minimum health and safety requirements for job site activities, and the measures and procedures to be employed for protection of on-site personnel as well as visitors. The plan will cover the controls, work practices, personal protective equipment, and other health and safety requirements that will be implemented by the Contractor(s) in connection with the remedial action activities.

The CHASP shall be prepared by a person that has at least one year of experience in the development of site-specific safety Plans for hazardous waste sites.

The Contractor shall submit a copy of the CHASP to the Engineer for review 14 working days prior to conducting any work at the site. The Engineer will review the CHASP for general conformance with the Contract documents but will not be responsible for its adequacy or implementation.

Specific sections of the CHASP shall include the elements specified in WAC 296-62, Part P, but will not be limited to, the following:

1. Assignment of health and safety responsibilities on site
2. Proposed work activities
3. Hazard analysis for each site task

DIVISION 1 — GENERAL REQUIREMENTS

Section 01063: Health and Safety

4. Monitoring procedures to include air monitoring, dust monitoring, noise monitoring, and personnel monitoring
5. Protection measures for specific activities
6. Site control measures including a site map, site work zones (i.e., exclusion zone, contaminant reduction zone, and support zone)
7. Site communications and site security
8. Trench safety systems and/or shoring
9. Medical surveillance requirements
10. Training requirements
11. Decontamination of equipment and personnel
12. Disposal of contaminated materials generated during site activities
13. Recordkeeping
14. Emergency procedures
15. Personal protective equipment
16. Spill containment program
17. Site visitors handling
18. Site safety meetings

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

- A. Use of Contractor's Health and Safety Plan

DIVISION 1 — GENERAL REQUIREMENTS

Section 01063: Health and Safety

The Contractor shall maintain the CHASP on site at all times. All individuals expected to work on the site shall read the CHASP and sign an acknowledgement before entering the site, stating that the individual has read and understands the CHASP.

The Contractor(s) will employ a Health and Safety Manager to implement the conditions of the CHASP.

During construction, the CHASP shall be amended as needed by the site Health and Safety Manager, to include special work practices warranted by site conditions actually encountered. Special practices could include the use of any special equipment not specified in the original plan.

B. Housekeeping and Sanitation

The Contractor shall comply with the applicable housekeeping requirements specified in WAC 296-155-020. In areas where workers may pass by or perform duties, all debris and accumulations of materials shall be removed. Storage of materials shall not create a hazard.

During the course of site construction, the Contractor shall ensure continuous cleanup of their work area, including removal of all rubble to trash disposal areas or staging areas.

The Contractor shall be responsible for providing an adequate supply of potable drinking water for its employees in accordance with the requirements of WAC 296-155-140 (1). Portable containers used to dispense drinking water shall be capable of being tightly closed and equipped with a tap.

The Contractor shall be responsible for providing its employees with a means for personal cleanup at the work site, in accordance with WAC 296-155 (2), including provision of clean, tepid wash water (between 70 and 100°F) and cleansing agents.

The Contractor shall provide accessible toilet facilities for its employees in accordance with the requirements of WAC 296-155-140 (4).

DIVISION 1 — GENERAL REQUIREMENTS

Section 01063: Health and Safety

C. First Aid

The Contractor shall have available at the site, at all times, a person or persons holding a valid certificate of first-aid training. The certificate shall be no more than three years old. The Contractor's crew leaders, supervisors, and persons in direct charge of crews (i.e., a group of two or more persons working at the site), shall possess a valid first-aid certificate.

The Contractor shall provide first-aid supplies at the work site for its employees as required by WAC 296-155-125.

PART 4 – MEASUREMENT

Not used.

PART 5 – PAYMENT

All costs for health and safety, including preparation of the CHASP, shall be incidental to the Contract and no separate payment shall be made for this work.

END OF SECTION 01063